

ABSTRACT

A device for adjusting two parts (2, 3) relative to one another, other than for a displacing device which is provided displacing a camshaft. The adjusting device is smooth and easy to operate, is self-locking, and ensures a backlash-free, continuous displacement of the two parts with a high degree of efficiency. The device includes a first part (2) having webs (2.3, 22.3) which are spaced apart in the circumferential direction and between which chambers (2.4) are provided, a second part (3) having an internal toothing (3.2, 13.2), and several teeth (7, 27) that are disposed at a distance from each other in the circumferential direction within the chambers and have an inner contact area (7.4) for resting against an eccentric drive member (6) as well as an outer contact area (7.5) for engagement with the internal toothing (3.2, 13.2). Rotary movements can be performed by the teeth (7, 27) located within the chambers (2.4) about axes of rotation that extend parallel to the axis of rotation (A) of the parts (2, 3) when an input shaft is rotated.